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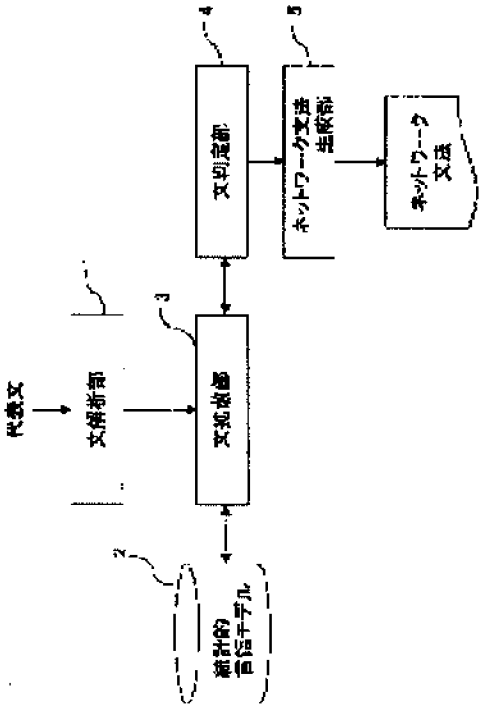
(54) NETWORK GRAMMAR GENERATION METHOD, NETWORK GRAMMAR GENERATION DEVICE, AND VOICE RECOGNITION DEVICE

(57)Abstract:
PROBLEM TO BE SOLVED: To automatically generate a network grammar capable of generating various methods of presentation a representative sentence on a computer.
SOLUTION: This device has a sentence analyzing part 1 for dividing the representative sentence into form elements; a sentence diffusion part 3 for acquiring connecting candidates connectable to the respective form elements obtained by the part 1, for example, 3 pieces from a statistic language model, recursively performing a processing for connecting each of the acquired connecting candidates to the form elements until an end mark appears to obtain a character string establishable as one sentence, and outputting this character string as a sentence diffusion candidate; a sentence judgment part 4 for comparing the sentence diffusion candidate outputted from the part 3 with the representative sentence and, when the sentence diffusion result is judged as a sentence diffusion candidate having the same meaning as the representative sentence, outputting this sentence diffusion candidate as a sentence diffusion result; and a network grammar generation part 5 for generating a network grammar on the basis of the sentence diffusion result delivered from the part 4.



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